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## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>0275M-656POA</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 02/ 30735</b>	International filing date (day/month/year) <b>27/09/2002</b>	(Earliest) Priority Date (day/month/year) <b>27/09/2001</b>
Applicant <b>EMHART LLC</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

6

None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/30735

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B60N3/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 321425 A (NIFCO INC;V TEC:KK), 24 November 1999 (1999-11-24) abstract	1
A	--- EP 0 590 993 A (EMHART INC) 6 April 1994 (1994-04-06) the whole document	1
A	--- GB 2 344 569 A (EMHART INC) 14 June 2000 (2000-06-14) the whole document	1
A	--- US 6 220 643 B1 (KATO HIROYUKI) 24 April 2001 (2001-04-24) the whole document --- -/-	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

19 December 2002

Date of mailing of the international search report

13.01.03

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/30735

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 772 441 A (GOBIN DAUDE) 18 June 1999 (1999-06-18) the whole document ---	1
A	EP 1 211 130 A (EMHART LLC) 5 June 2002 (2002-06-05) the whole document ---	1
A	JP 62 039007 U (...) 9 March 1987 (1987-03-09) the whole document ---	1
A	JP 01 162847 U (...) 13 November 1989 (1989-11-13) the whole document -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/30735

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 11321425	A	24-11-1999 3	NONE	
EP 0590993	A	06-04-1994 1	JP 6032177 U EP 0590993 A1	26-04-1994 06-04-1994
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US 6220643	B1	24-04-2001 5	JP 2000016136 A GB 2338932 A ,B	18-01-2000 12-01-2000
FR 2772441	A	18-06-1999 2	FR 2772441 A1	18-06-1999
EP 1211130	A	05-06-2002 0	JP 2002166774 A EP 1211130 A1 US 2002063436 A1	11-06-2002 05-06-2002 30-05-2002
JP 62039007	U		NONE	
JP 1162847	U		NONE	